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(54) Title: POLYPROPYLENE FIBRES SUITABLE FOR SPUNBONDED NON-WOVEN FABRICS

(57) Abstract: A fibre for spunbonded fabrics comprising a propylene polymer composition (A) having an MFR (1) value from 6 to 150 g/10 min and being selected from (i) a crystalline propylene random copolymer or crystalline propylene polymer composition containing at least 0.8% by weight of ethylene and having a melting temperature of 153° C or higher, a content of fraction soluble in xylene at room temperature lower than 10% by weight, and a value of the ratio of the polymer fraction collected at the temperature range from 25° to 95° C to the xylene soluble fraction at room temperature higher than 4; and (ii) a crystalline propylene polymer composition having a melting temperature of 153° C or higher, a content of fraction soluble in xylene at room temperature lower than 10% by weight; the said composition containing at least 0.64 wt% of ethylene or a C₄-C₁₀ α-olefin recurring unit and comprising: (1) 20-80 wt% of a crystalline propylene polymer containing up to 1.5 wt% of ethylene and/or C₄-C₁₀ α-olefin; and (II) 20-80 wt% of a crystalline propylene random copolymer selected from (IIa) a copolymer of propylene with 0.8 to 10 wt% of ethylene and/or (IIb) a copolymer of propylene with 1.5 to 18 wt% of a C₄-C₁₀ α-olefin. Said polymer composition (A) is obtainable by way of chemical degradation of a precursor polymer composition (A) having MFR values (MFR (2)) of from 0.5 to 50 g/10 min, provided that the ratio of MFR (1) to MFR (2) be from 1.5 to 60. Propylene polymer composition (ii) as described above and non-woven fabrics that are prepared with the said fibres. The said fabric is useful for coverstock and diapers.

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